

Figure 1

[SEQ ID No. 1]

MGPNDHGAYILIFLLSPPTHANRDANRLFEDLIADYNKLVRPVSE47

NGETLVVTFKLKLSQLLDVHEKNQIMTTNVWLQHSWMDYKLRWDPVE94

Loop A  
YGGVEVLYVPSDTIWLPDVVLYNNADGNYQVTIMTKLKLTYNGTVEW141

APPAlYKSMCQIDVEFFPDRQQCEMKFGSWTYGGLEVDLQHRDKHL188

EKEIEEDVEGVDGPTKEIVWWVDRGIDLSDYYPSEWDILNVPGKPH235

Loop C    TM1  
SKRYPCCESPFIDITYEIHLRRKTLFYTVNLIPPSVGISFLTALVFY282

TM2  
LPSDGGEKISLCISILISLTFFLLLVEIIIPSTSLVIPLIGKYLLFT329

TM3  
MVLVTLSVVVTVVTLNVHYRSPTTHTMPKWMKPLFVDFLPKYLLMTR376

PQPPGHHSKPNRKFDSPASTFSIGVNHVLGQNSELLSPGLNSNREES423

TM4  
SFTLPRDNSPVRSAVESVAYIADHLKNEEDDKQVIEDWKYISVVMR470

IFLITFTFACAFGTVIIARAPSIYDNTPALA

502

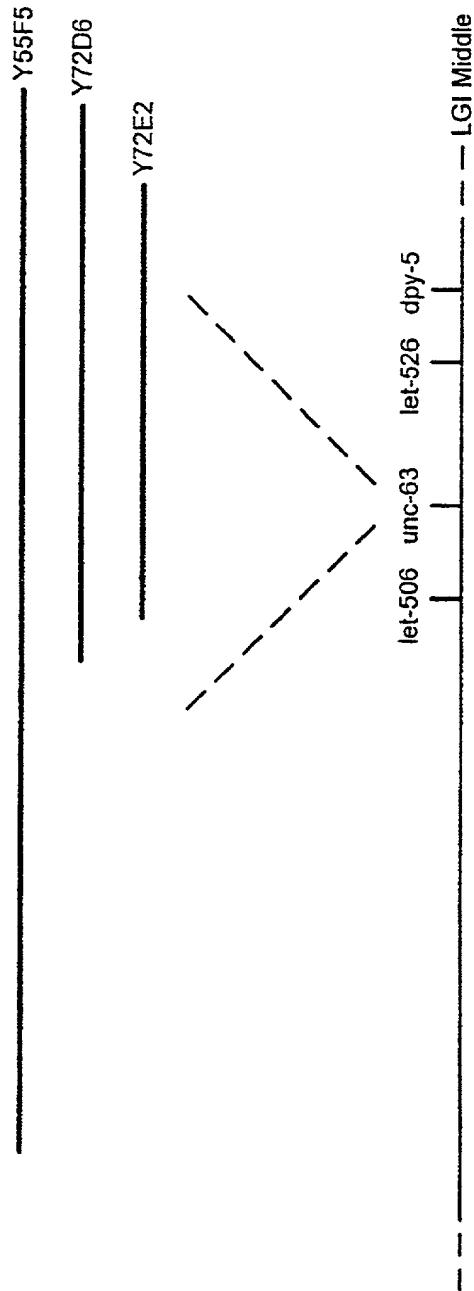


FIG. 2

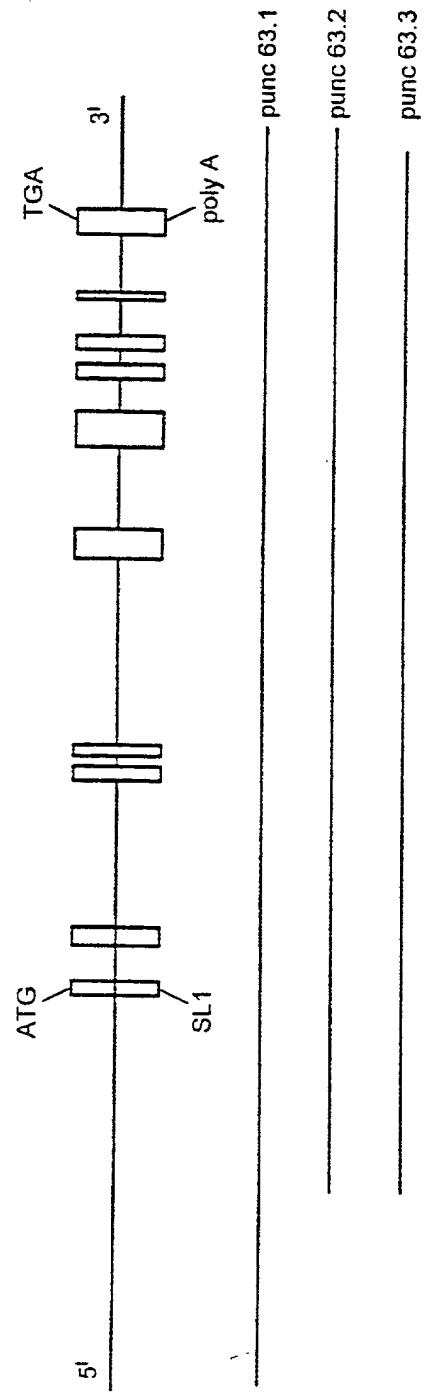


FIG. 3

(A)

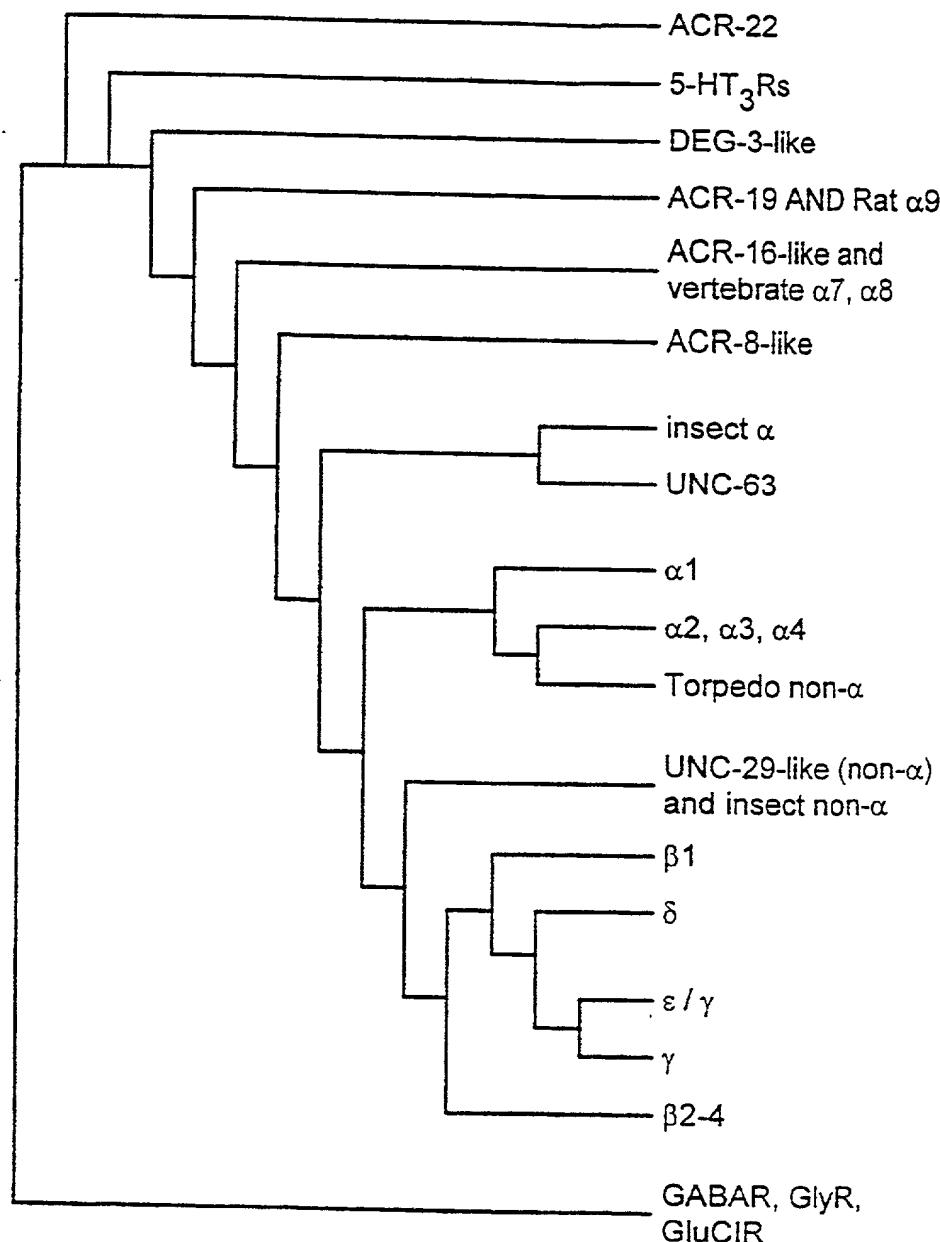


FIG. 4

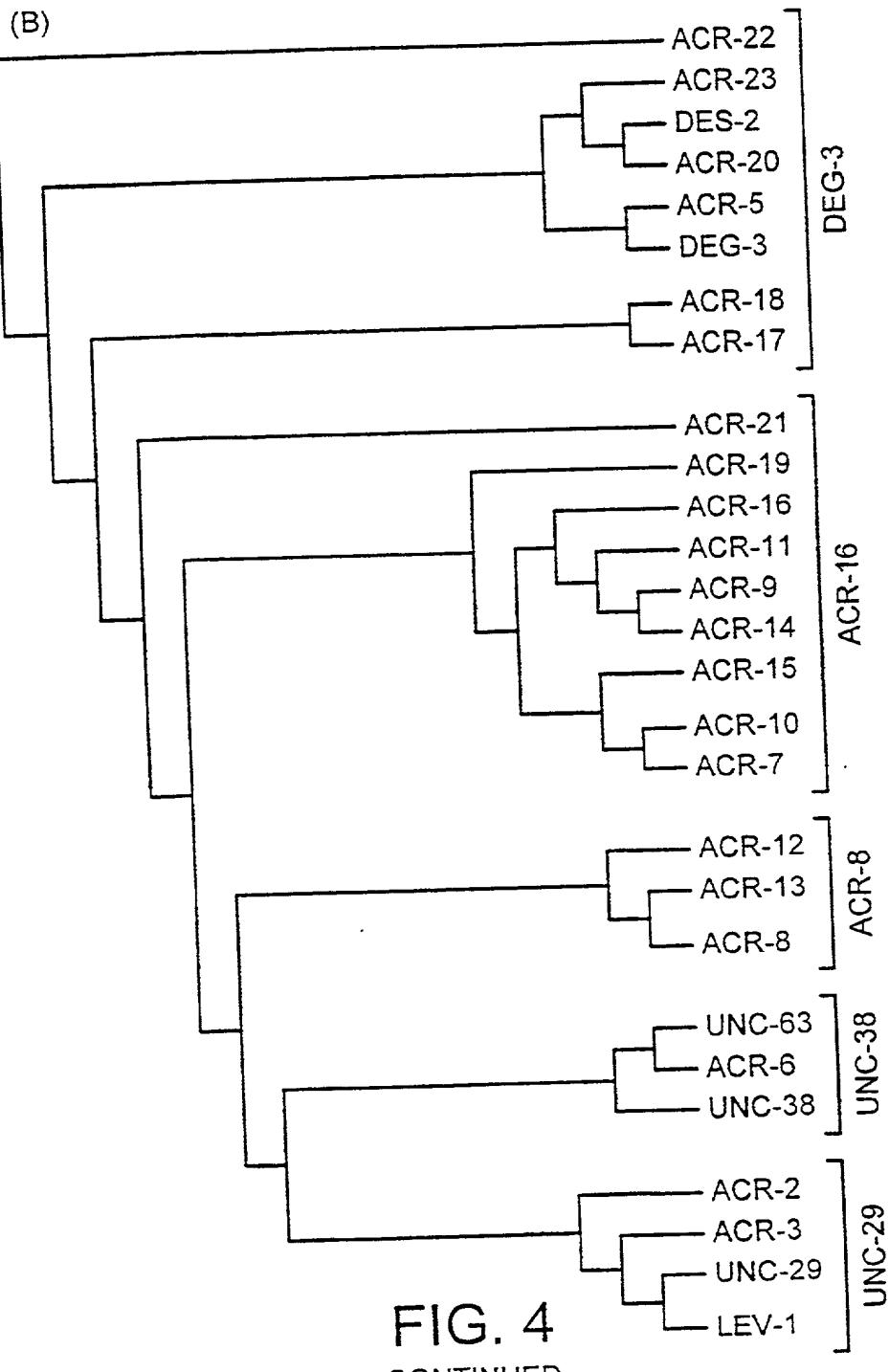


FIG. 4

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UNC-63 : WEDVLYNNADENYOTTIYAKALTYNGTNEWAPAIYKSYCOIDVELEPPDRCOCMEEGGLAVDPLQHARDKULEKEIEEDVEGVGDPT  
 UNC-38 : WEDVLYNNADSNYNTISTKATHYTGEINNEPAAIERSKSCOPIDVREPEPECO2  
 LEV-1 : WEDVLYNNADENYEVSEF"CNVLILSTGTUNVEPAIYKSSCIIPVLEPPDOLCSIECESTWARDZIKIDF  
 UNC-29 : WEDVLYNNADENYEVSEFCNVVNINKGDUWPEANIAKESCHIRVELEPPDCEVCT.

UNC-63 : INVFGKRSITFYP-CC-ESPFIDTYEIHARKPLFXTVNE  
 UNC-38 : MERVVKRRRNYPSCCPQSAYIDVTYYIQURKPLFXTVNE  
 LEV-1 : MDGFLVLTDSR-----  
 UNC-29 : INVFGKRSITFYP-CC-ESPFIDTYEIHARKPLFXTVNE

UNC-63 : VHYFSPPTTVEKMKRFLDFFVYLLMTPQQPGIISKPNRKF----DRASSTF9G--VNIVGQNS--LLSPGLNSNREESSTLPRNSP  
 UNC-38 : LHEKTTPTTLLPNTLTKFKEWPKLIDDEKDP--KDKGKIALS--VIAURVSN----VGNVIIATIDDTIQKMYXPP  
 J-EV-1 : IYTRSPITKRLPWAKFEDIPPLNICKAFPKRNVIQSHIRRL--LETG'SVEENPMRGEIPICRITHINQDSCRVW--QSDELDD--ELEPE  
 UNC-29 : VYVDRGSPATHYIPOWVYIACVCKRP--KSASERSAVRGMAQQLGVGQFTLSPSAIIICPSAD--DRITI<sub>12</sub>NTASNETSKYKPIETD

UNC-63 : VIEDWKYISVIVDRISPLITTECAIGTVVIIARAPSIY---DINTPA[ <sup>A</sup> ]	SEQ ID No. 11
UNC-38 : IDEDWKYVIAVLDRLFLIISICFCVGTVIILPAPTLY---DTRQPIDLQXRPNALI[NPIISF---]	SEQ ID No. 21
LEV-1 : FRRDDWKEFISVMDRFLIYCEFGTIVGCTIGIFT[P]SVFETEDENATIVKIKQLXDMGI[NDTVLGIF: 507]	SEQ ID No. 31
UNC-29 : FRDDWKEFIVSHIDRLFLIYVEGITIVGCTGCGLESAPHEVQRINIOQQELMDRIKERYDT-[NSNIP---]	SEQ ID No. 41

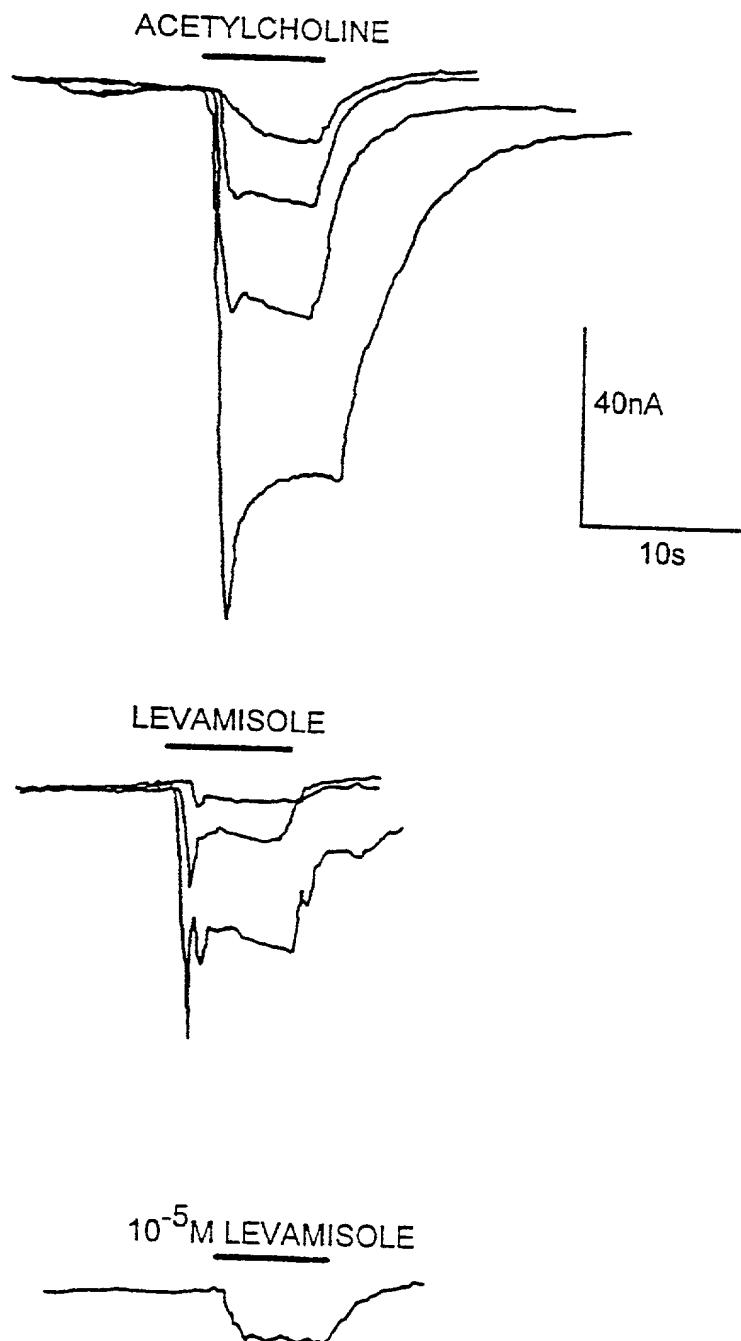


FIG. 6

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$10^{-6}$  M MECAMYLAMINE  
+  $10^{-5}$  M LEVAMISOLE



$3 \times 10^{-5}$  M LEVAMISOLE



UNC-63 LEV-1 UNC-29

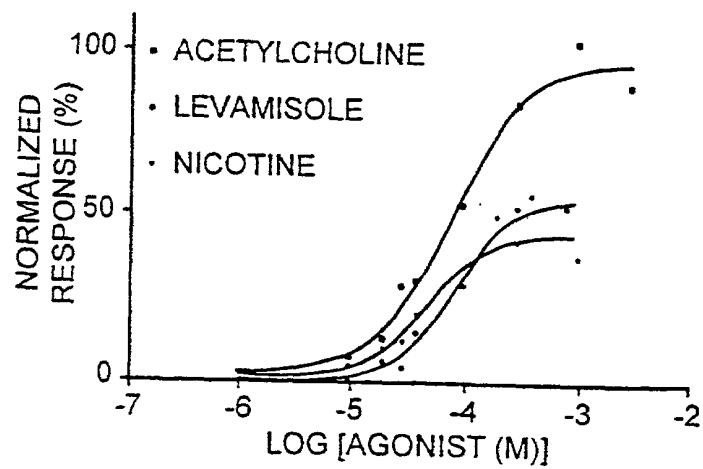


FIG. 6  
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